

INFORMATION DISCLOSURE CITATION  PTO-1449			ATTY. DOCKET NO. 18461-708		SERIAL NO. <del>08/845,734</del> 09/925,562		
			APPLICANT G. David Jang				
			FILING DATE April 25, 1997		GROUP Unknown		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
PP	5,449,373	9-12-95	Pinchasik et al.	606	198	3-17-94	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PP	0 709 067 A2	01/05/96	Europe	<del>A61F</del>	<del>2/06</del>		
	0 679 372 A2	02/11/95	Europe	<del>A61B</del>	<del>19/00</del>		
	0 587 197 A1	16/03/94	Europe	<del>A61F</del>	<del>2/04</del>		
	WO96/03029	08/02/96	PCT	<del>A61F</del>	<del>2/02</del>		
	WO96/26689	06/09/96	PCT	<del>A61F</del>	<del>2/06</del>		
	29608037 U1	22/08/96	Germany	<del>A61M</del>	<del>29/00</del>		
	4303181 A1	11/08/94	Germany	<del>A61M</del>	<del>29/00</del>		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <i>Paul Prebilic</i>				DATE CONSIDERED <i>11-5-02</i>			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

PTO-1449

 ATTY. DOCKET NO.  
18461.708

 APPLICATION NO.  
~~08/45,734~~ 09/925,562

 TITLE  
INTRAVASCULAR STENT

 APPLICANT  
G. David Jang

 FILING DATE  
April 25, 1997

 GROUP  
3738

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PBP	5,695,516	12/9/97	Fischell, et al.			
	5,593,442	1/14/97	Klein			
	5,591,197	1/7/97	Orth, et al.			
	5,545,210	8/13/96	Hess, et al.			
✓	5,102,417	4/7/92	Palmaz			

## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
PBP	WO 97/40781	11/6/97	PCT				
PBP	WO 97/40780	11/6/97	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Paul Prebilic

DATE CONSIDERED

11-5-02

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FORM PTO-1449 (Modified)  
INFORMATION DISCLOSURE  
STATEMENT  
(Use several sheets if necessary)

Atty Docket No.: S63.2-8429

09/925,562  
Serial No.: 08/845,734

Applicant: G. David Jang

Filing Date: April 25, 1997

Group: 3738

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER'S INIT.		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PR	AA	2,836,181	5/27/58	James S. Tapp	128	334	
	AB	3,105,492	10/1/63	Norman C. Jeckel	128	334	
	AC	3,272,204	9/13/66	Charles Artandi et al.	128	334	
	AD	3,490,975	1/20/70	Raymond Lightwood et al.	156	167	
	AE	3,509,883	5/5/70	Norman R. Dibelius	128	348	
	AF	3,526,228	9/1/70	Lyng	128	334	
	AG	3,562,820	2/16/71	Bernhard Braun et al.	3	1	
	AH	3,635,215	1/18/72	Shea et al.	128	130	
	AI	3,771,526	11/13/73	Rudle	128	334	
	AJ	3,868,956	3/4/75	Alfidi et al.	128	343	
	AK	3,993,078	11/23/76	Bergentz et al.	128	334	
	AL	4,078,167	3/7/78	Banas et al.	219	121	
	AK	4,127,761	11/28/78	Pauley et al.	219	131 L	
	AN	4,130,904	12/26/78	Whalen	3	1.4	
	AO	4,140,126	2/20/79	Choudhury	128	323	
	AP	4,141,364	2/27/79	Schultze	128	349	
	AQ	4,164,045	8/14/79	Bokros et al.	3	1.4	
	AR	4,214,587	7/29/80	Sakura, Jr.	128	334 R	
	AS	4,300,244	11/17/81	Bokros	3	1.4	
	AT	4,313,231	2/2/82	Koyamada	3	1.4	
	AU	4,319,363	3/16/82	Ketharanathan	3	1.4	
	AV	4,425,908	1/17/84	Simon	128	1 R	
	AW	4,441,215	4/10/84	Kaster	3	1.4	
	AX	4,470,407	9/11/84	Hussein	128	6	
✓	AY	4,501,264	2/26/85	Rockey	128	1 R	

EXAMINER: Paul Prebille

DATE CONSIDERED: 11-5-02

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FORM PTO-1449 (Modified)  
INFORMATION DISCLOSURE  
STATEMENT  
(Use several sheets if necessary)

Atty Docket No.: S63.2-8429

09/925562  
Serial No.: 08/845,734

Applicant: G. David Jang

Filing Date: April 25, 1997

Group: 3738

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAM'S INIT.		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PBP	AA	4,503,569	3/12/85	Dotter	3	1.0	
	AB	4,512,338	4/23/85	Balko et al.	128	1 R	
	AC	4,535,770	8/20/85	Lemole	128	327	
	AD	4,550,447	11/5/85	Seiler, Jr. et al.	623	1	
	AE	4,553,545	11/19/85	Maass et al.	128	341	
	AF	4,560,374	12/24/85	Hammerslag	604	49	
	AG	4,580,568	4/8/86	Gianturco	128	345	
	AH	4,597,389	7/1/86	Ibrahim et al.	128	328	
	AI	4,647,416	3/3/87	Seiler, Jr. et al.	264	158	
	AJ	4,649,922	3/17/87	Wiktor	128	344	
	AK	4,655,771	4/7/87	Wallsten	623	1	
	AL	4,655,776	4/7/87	Lesinski	623	10	
	AM	4,665,918	5/19/87	Garza et al.	128	345	
	AN	4,681,110	7/21/87	Wiktor	128	345	
	AO	4,693,721	9/15/87	Ducheyne	623	16	
	AP	4,733,665	3/29/88	Palmaz	128	345	
	AQ	4,739,762	4/26/88	Palmaz	128	345	
	AR	4,740,207	4/26/88	Kreamer	623	1	
	AS	4,760,849	8/2/88	Kropf	128	34	
	AT	4,762,128	8/9/88	Rosenbluth	128	345	
	AU	4,768,507	9/6/88	Fischell	128	301 R	
	AV	4,769,029	9/6/88	Patel	623	1	
	AW	4,771,773	9/20/88	Kropf	128	301 R	
	AX	4,733,665	3/29/88	Palmaz	128	345	
	AY	4,776,337	10/11/88	Palmaz	128	345	
	AZ	4,787,899	11/29/88	Lazarus	623	1	
	AAA	4,795,458	1/3/89	Regan	623	1	
	AAB	4,795,465	1/3/89	Marten	623	9	
✓	AAC	4,800,882	1/31/89	Gianturco	128	345	

EXAMINER: Paul Prebilic

DATE CONSIDERED: 11-5-02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449 (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT</b> (Use several sheets if necessary)				Atty Docket No.: S63.2-8429		Serial No.: <u>09/925,562</u> <del>08/845,734</del>	
Applicant: G. David Jang				Filing Date: April 25, 1997		Group: 3738	
<b>REFERENCE DESIGNATION                      U.S. PATENT DOCUMENTS</b>							
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>881</i> <div style="border-left: 1px solid black; height: 100px; margin: 0 auto; width: 20px;"></div>	AA	4,820,298	4/11/89	Leveen et al.	623		
	AB	4,830,003	5/16/89	Wolff et al.	128	343	
	AC	4,842,575	6/27/89	Hoffman, Jr. et al.	600	36	
	AD	4,848,343	7/18/89	Wallsten et al.	128	343	
	AE	4,851,009	7/25/89	Pinchuk	623	66	
	AF	4,856,516	8/15/89	Hillstead	128	343	
	AG	4,872,874	10/10/89	Taheri	623		
	AH	4,877,030	10/31/89	Beck et al.	128	343	
	AI	4,878,906	11/7/89	Lindemann et al.	623		
	AJ	4,886,062	12/12/89	Wiktor	128	343	
	AK	4,913,141	4/3/90	Hillstead	605	108	
	AL	4,922,905	5/8/90	Strecker	605	195	
	AM	4,950,227	8/21/90	Savin et al.	604	8	
	AN	4,950,258	8/21/90	Kawai et al.	604	281	
	AO	4,994,071	2/19/91	MacGregor	605	194	
	AP	5,015,253	5/14/91	MacGregor	621	1	
	AQ	5,019,090	5/28/91	Pinchuk	605	194	
	AR	5,035,706	7-30-91	Gianturco et al.	605	198	
	AS	5,037,392	8/6/91	Hillstead	604	95	
	AT	5,059,211	10/22/91	Stack et al.	605	198	
AU	5,064,435	11/12/91	Porter	623	12		
AV	5,092,877	3/3/92	Pinchuk	623	1		
AW	5,104,399	4/14/92	Lazarus	623	1		
AX	5,104,404	4/14/92	Wolff	623	1		
✓ AY	5,108,417	4/28/92	Sawyer	605	198		
EXAMINER: <u>Paul Prebilit</u> DATE CONSIDERED: <u>11-5-02</u>							
EXAMINER: Initial citation considered. Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (Modified)  
INFORMATION DISCLOSURE  
STATEMENT  
(Use several sheets if necessary)

Atty Docket No.: S63.2-8429

Serial No.: 09/925,562  
08/845,734

Applicant: G. David Jang

Filing Date: April 25, 1997

Group: 3738

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAM'S INIT.		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P80	AB	5,122,154	6/16/92	Rhodes	606	198	
	AC	5,133,732	7/28/92	Wiktor	606	195	
	AD	5,135,536	8/4/92	Hillstead	606	195	
	AE	5,139,480	8/18/92	Kickle et al.	604	8	
	AF	5,147,385	9/15/92	Beck et al.	623	1	
	AG	5,147,400	8/15/92	Kaplan et al.	623	11	
	AH	5,158,548	10/27/92	Lau et al.	604	96	
	AI	5,163,952	11/17/92	Froix	623	1	
	AJ	5,195,984	3/23/93	Schatz	606	195	
	AK	5,197,978	3/30/93	Hess	623	1	
	AL	5,217,483	6/8/93	Tower	606	198	
	AM	5,226,913	7/13/93	Pinchuk	623	1	
	AN	5,282,823	2/1/94	Schwartz et al.	606	198	
	AO	5,282,824	2/1/94	Gianturco	606	198	
	AP	5,292,331	3/8/94	Boneau	606	198	
	AQ	5,304,200	4/19/94	Spaulding	606	198	
	AR	5,344,425	9/6/94	Sawyer	606	198	
	AS	5,354,308	10/11/94	Simon et al.	606	198	
	AT	5,383,892	1/24/95	Cardon et al.	606	198	
	AU	5,405,377	4/11/95	Cragg	623	1	
	AV	5,527,354	6/18/96	Fontaine et al.	623	1	
	AW	5,549,663	8/27/96	Cottone, Jr.	623	1	

EXAMINER:

Paul Prebille

DATE CONSIDERED:

11-5-02

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<b>FORM PTO-1449 (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT</b> (Use several sheets if necessary)			Atty Docket No.: S63.2-8429 Applicant: G. David Jang Filing Date: April 25, 1997		Serial No.: 08/845,734 07/925,562 Group: 3738	
<b>REFERENCE DESIGNATION                      U.S. PATENT DOCUMENTS</b>						
EXAM'S INIT.	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PA'</i>          <input checked="" type="checkbox"/>	AA	5,718,713	2/17/98	Frantzen	606	198
	AB	5,735,893	4/7/98	Lau et al.	623	1
	AC	5,741,327	4/21/98	Frantzen	623	1
	AD	5,755,781	5/26/98	Jayaraman	623	1
	AE	5,755,776	5/26/98	Al-Saadon	623	1
	AF	5,807,404	9/15/98	Richter	623	1
	AG	5,810,872	9/22/98	Kanesaka et al.	606	198
	AH	5,824,059	10/20/98	Wijay	623	1
	AI					
	AJ					
AK						
AL						
AM						
AN						
AO						
AP						
AQ						
AR						
AS						
AT						
AU						
AV						
AW						
EXAMINER: <i>Paul Prebilit</i> DATE CONSIDERED: <i>11-5-02</i>						
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<b>FORM PTO-1449 (Modified)</b> <b>LIST OF PATENTS AND PUBLICATIONS FOR</b> <b>APPLICANT'S INFORMATION DISCLOSURE</b> <b>STATEMENT</b> (Use several sheets if necessary)				Atty Docket No.: S63.2-8429		Serial No.: <del>08/45,734</del> <b>09/925,562</b>	
Applicant: G. David Jang				Filing Date: April 25, 1997		Group: 3738	

  

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION								
EXAM'S INIT.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
<div style="font-size: 2em; font-weight: bold;">D</div>	BA	297 01 758 UI	5/7/97	DE			(Abstract)	
	BB	297 02 671 UI	5/22/97	DE			(Abstract)	
	BC	297 08 689 UI	8/28/97	DE			X	
	BD	297 08 879 UI	9/11/97	DE			X	
	BE	0 364 787 A1	4/25/90	EP				
	BF	0 364 787 B1	4/25/90	EP				
	BG	0 540 290 A2	5/5/93	EP				
	BH	0 606 165 A1	7/13/94	EP				
	BI	0 734 698 A2	2/10/96	EP			X	
	BJ	0 821 920 A1	2/4/98	EP				
	BK	94/17754	8/18/94	WO			(Abstract)	
	BL	97/14375	4/24/97	WO				
	BM	97/25937	7/24/97	WO				
	BN	97/26840	7/31/97	WO				
	BO	97/25937	7/24/97	WO				
	BP	97/32543	9/12/97	WO				
	BQ	97/32544	9/12/97	WO				
	BR	97/33534	9/18/97	WO				
	BS	97/40782	11/6/97	WO				
	BT	97/40783	11/6/97	WO				
BU	97/40784	11/6/97	WO					
✓	BV	98/42278	10/1/98	WO				

  

EXAMINER <b>Paul Prebilic</b>	DATE CONSIDERED <b>11-5-02</b>
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FORM PTO-1449 (Modified)  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use several sheets if necessary)

Atty Docket No.: S63.2-8429

69/925,562  
 Serial No.: 08/845,734

Applicant: G. David Jang

Filing Date: April 25, 1997

Group: 3738

**OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)**

PB1	CA	Manufacturing Processes for Engineering Materials, by Scrope Kalpakjian, Illinois Institute of Technology, Addison-Wesley Publishing Company, pp. 340.
	CB	A View of Vascular Stents, by Richard A. Schatz, MD, From the Arizona Heart Institute Foundation, Phoenix, Arizona, <u>CIRCULATION</u> , Vol. 79, No. 2, February 1989, pp. 445-457.
	CC	The Self-Expanding Mesh Stent, by Ulrich Sigwart, <u>SECTION IV</u> , Chapter 29, pp. 605-610.
	CD	Improved Dilation Catheter Balloons, by Stanley B. Levy, Ph.D. <u>JOURNAL OF CLINICAL ENGINEERING</u> , Vol. 11, No. 4, July-August 1988, pp. 291-296.
	CE	Technical Note Entitled Modifications of Gianturco Expandable Wire Stents, By Barry T. Uchida et al., <u>AJR</u> , Vol. 150, May 1988, pp. 1185-1187.
	CF	Brochure from Cook Incorporated regarding Gianturco-Rosch Biliary Z-Stents™.
	CG	Expandable Biliary Endoprosthesis: An Experimental Study, By Carrasco et al., <u>AJR</u> , Vol. 145, December 1985, pp. 1279-1282.
	CH	Tracheobronchial Tree: Expandable Metallic Stents Used in Experimental and Clinical Applications', Work In Progress, By Wallace et al., <u>RADIOLOGY</u> , February 1986, pp. 309-312.
	CI	Brochure Entitled AVE MICRO STENT™, Instructions for Use, By Applied Vascular Engineering, Inc., pp. 1-15.
	CJ	Brochure Entitled MICRO STENT™, By Applied Vascular Engineering, Inc.
	CK	Japanese Infringement Search on Articulated Expandable Stents, Dated July 12, 1995.
	CL	ENGINEERING FLUID MECHANICS, Third Edition, John A. Roberson and Clayton T. Crowe, pp. 94 and pp 414-421.
	CM	Cambridge Dictionary of Science and Technology, Cambridge University Pressp. 128.
	CN	Beyer et al., "The BeStent: The Parallel-Serial Jung Stents", Handbook of Coronary Stents, Second Edition, 158-171 & 229-234 (1998).
	CO	Beyar et al., "Newer Stents: Materials and Designs", IAGS Proceedings, 9(5):363-371 (June 1997).
	CP	Roguin et al., "Acute and 30-Day Results of the Serpentine Balloon Expandable Stent Implantation in Simple and Complex Coronary Arterial Narrowings", The American Journal of Cardiology, 80:1155-1162 (November 1997).
	CQ	Roguin et al., "beStent-the serpentine balloon expandable stent: review of mechanical properties and clinical experience", Artif Organs, 22(3):249 (March 1998).
✓	CR	Brochure Entitled SORIN BIOMEDICA "CARBOSTENT™".

EXAMINER

Paul Prebilic

DATE CONSIDERED

11-5-02

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Page 7 of 7

Modified Form 1449 UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY (COPIES ENCLOSED)		ATTY DOCKET NO.:		APPLICATION NO. 09/925,562	
		APPLICANT:			
		FILING DATE:		GROUP:	
<b>UNPUBLISHED US APPLICATIONS NOT RELATED BY PRIORITY</b>					
EXAM'S INIT		APPLICATION NO.	FILING DATE	INVENTOR(S)	
	DA				
	DB				
	DC				
	DD				
	DE				
	DF				
EXAMINER			DATE CONSIDERED		
EXAMINER: Initial if application considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

11050 U.S. PTO  
 09/925562  
 08/05/01

Modified Form 1449 US APPLICATIONS RELATED BY PRIORITY (COPIES NOT ENCLOSED)		ATTY DOCKET NO.: S63.2-9950		APPLICATION NO. Not yet assigned		
		APPLICANT: Jang				
		FILING DATE: Concurrently herewith		GROUP: Not yet assigned		
<b>US APPLICATIONS RELATED BY PRIORITY</b>						
EXAM'S INIT		APPLICATION NO.	FILING DATE	PATENT NO.	INVENTOR(S)	FORM 1449/892 ENC
PBP	EA	<del>09/374,077</del>	<del>3/18/00</del>		Jang	X
	EB	<del>08/845,734</del>	<del>4/25/97</del>		Jang	X
	EC	<del>08/824,142</del>	<del>3/25/97</del>	<del>6341760</del>	Jang	X
	ED	<del>08/824,866</del>	<del>3/26/97</del>	5954743	Jang	X
	EE	<del>08/824,865</del>	<del>3/26/97</del>	<del>6362957</del>	Jang	X
	EF	<del>08/845,657</del>	<del>4/25/97</del>	5922021	Jang	X
	EG	<del>60/017,484</del>	<del>4/26/96</del>		Jang	X
EXAMINER Paul Prebilic			DATE CONSIDERED 11-5-02			
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